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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known	
Application Number	10/773,916
Filing Date	February 6, 2004
First Named Inventor	Gjalt W. Huisman
Group Art Unit	1652
Examiner Name	Charles L. Patterson, Jr.
Attorney Docket Number	MBX 017 CON (2)

Sheet 1 of 14

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	US Patent Document Number	Kind Code[2] (if known)	Name of Patentee or Applicant of Cited Document	Date of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		4,430,430		Momose, et al.	02-07-1989	
		4,876,331		Doi	10-24-1989	
		5,245,023		Peoples, et al.	09-14-1993	
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		6,117,658		Dennis et al.	09-12-2000	

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Examiner Initials*	Cite No.[1]	Foreign Patent Document Office.[3]	Number[4]	Kind Code[5] (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]
		CA	2,006,508		Xerox	03-26-1996		
		WO	91/00917		Mass. Inst. Tech.	01-24-1991		
		WO	92/19747		Imperial Chem. Ind. PLC	11-12-1992		
		WO	93/02187		Michigan State Univ.	07-13-1992		
		WO	93/02194		Imperial Chem. Ind. PLC	07-15-1992		
		WO	93/06225		Ctr. Innovative Technology	04-01-1993		
		WO	94/11519		Zeneca Limited	05-26-1994		
		WO	94/12014		Agracetus, Inc.	06-09-1994		
		WO	95/20614		Procter & Gamble	11-15-1994		
		WO	95/20615		Procter & Gamble	08-03-1995		
		WO	96/20621		FACO	07-11-1996		

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Sheet 2 of 14

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Application Number	10/773,916
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First Named Inventor	Gjalt W. Huisman
Group Art Unit	1652
Examiner Name	Charles L. Patterson, Jr.
Attorney Docket Number	MBX 017 CON (2)

OTHER ART – NON PATENT LITERATURE DOCUMENTS

Examiner's Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T[2]
		ABE, et al., "Biosynthesis from gluconate of a random copolyester consisting of 3-hydroxybutyrate and medium-chain-length 3-hydroxyalkanoates by Pseudomonas sp. 61-3.," *Int. J. Biol. Macromol.* 16:115-119 (1994).	
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		CHO, et al., "Identification of Agrobacterium tumefaciens genes that direct the complete catabolism of octopine," *J. Bacteriol.* 178:1872 (1996).	

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Group Art Unit	1652
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		CHU, et al., "Enzymatically active truncated cat brain glutamate decarboxylase: expression, purification, and absorption spectrum," *Arch. Biochem. Biophys.* 313:287-295 (1994).	
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		DOI, et al., "Biosynthesis and characterization of poly(3-hydroxybutyrate-co-4-hydroxybutyrate) in Alcaligenes eutrophus," *Int. J. Biol. Macromol.* 12: 106 (1990).	

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Sheet 5 of 14

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Application Number	10/773,916
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First Named Inventor	Gjalt W. Huisman
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		DOI, et al., "Nuclear Magnetic Resonance Studies on Unusual Bacterial Copolyesters of 3-Hydroxybutyrate and 4-Hydroxybutyrate," *Macromolecules* 21:2722-2727 (1988).	
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		GERNGROSS, et al., "Overexpression and purification of the soluble polyhydroxyalkanoate synthase from Alcaligenes eutrophus: evidence for a required posttranslational modification for catalytic activity," *Biochemistry* 33: 9311 (1994).	

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		GONZALES, et al., "Cloning of a yeast gene coding for the glutamate synthase small subunit (GUS2) by complementation of Saccharomyces cerevisiae and Escherichia coli glutamate auxotrophs," *Mol. Microbiol.* 6:301-308 (1992).	
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Sheet 8 of 14

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Application Number	10/773,916
Filing Date	February 6, 2004
First Named Inventor	Gjalt W. Huisman
Group Art Unit	1652
Examiner Name	Charles L. Patterson, Jr.
Attorney Docket Number	MBX 017 CON (2)

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Examiner's Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T[2]
		LEE, et al., "Enhanced biosynthesis of P(3HB-3HV) and P(3HB-4HB) by amplification of the cloned PHB biosynthesis genes in *Alcaligenes eutrophus*," *Biotechnol. Lett.* 19: 771-774 (1997).	
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		MCFALL & NEWMAN, "Amino Acids as Carbon Sources," in *Escherichia coli and Salmonella*, (Neidhardt, ed.), pp. 358-379, ASM Press: Washington, D.C., 1996.	
		MCLAGGAN, et al., "Interdependence of K+ and glutamate accumulation during osmotic adaptation of Escherichia coli," *J. Biol. Chem.* 269:1911 (1994).	
		MEASURES, "Role of amino acids in osmoregulation of non-halophilic bacteria," *Nature* 257:398 (1975).	
		METZER AND HALPERN, "In vivo cloning and characterization of the gabCTDP gene cluster of Escherichia coli K-12," *J. Bacteriol.* 172: 3250-3256 (1990).	

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		MILLER, et al., "Cloning and characterization of gdhA, the structural gene for glutamate dehydrogenase of Salmonella typhimurium," *J. Bacteriol.* 157:171-178 (1984).	
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		OLIVER, et al., "Determination of the nucleotide sequence for the glutamate synthase structural genes of Escherichia coli K-12," *Gene* 60:1 (1987).	
		OWEN & PEN, eds., *Transgenic Plants: A Production System for Industrial and Pharmaceutical Proteins* John Wiley & Sons Ltd: England, 1996.	

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Group Art Unit	1652
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		PARK, et al., "Isolation and characterization of recombinant mitochondrial 4-aminobutyrate aminotransferase," *J. Biol. Chem.* 268: 7636-7639 (1993).	
		PELANDA, et al., "Glutamate synthase genes of the diazotroph Azospirillum brasilense. Cloning, sequencing, and analysis of functional domains," *J. Biol. Chem.* 268:3099 (1993).	
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		REITZER, "Ammonia Assimilation and the Biosyntheis of Glutamine, Glutamate, Aspartate, Asparagine, L-Alanine, and D-Alanine," in *Escherichia coli* and *Salmonella*, (Neidhardt, ed.), pp. 391-407, ASM Press: Washington, D.C., 1996.	

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Group Art Unit	1652
Examiner Name	Charles L. Patterson, Jr.
Attorney Docket Number	MBX 017 CON (2)

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		SAITO & DOI, "Microbial synthesis and properties of poly(3-hydroxybutyrate-co-4-hydroxybutyrate) in Comamonas acidovorans," *Int. J. Biol. Macromol.* 16:18 (1994).	
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		SMITH, et al., "Complete genome sequence of Methanobacterium thermoautotrophicum deltaH: functional analysis and comparative genomics," *J. Bacteriol.* 179:7135 (1997).	

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Sheet 12 of 14

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Application Number	10/773,916
Filing Date	February 6, 2004
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Group Art Unit	1652
Examiner Name	Charles L. Patterson, Jr.
Attorney Docket Number	MBX 017 CON (2)

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		VALENTIN, et al., "Production of poly(3-hydroxybutyrate-co-4-hydroxybutyrate) in recombinant Escherichia coli grown on glucose," *J. Biotechnol.* 58: 33-38 (1997).	

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